

Title (en)
PHOTOCHROMIC COMPOSITION

Title (de)
PHOTOCHROME ZUSAMMENSETZUNG

Title (fr)
COMPOSITION PHOTOCHROME

Publication
EP 3070142 A4 20170726 (EN)

Application
EP 14859834 A 20141107

Priority
• JP 2013232830 A 20131111
• JP 2013234153 A 20131112
• JP 2014079560 W 20141107

Abstract (en)
[origin: US201622285A1] A photochromic composition comprising (A) a polyrotaxane having a composite molecular structure composed of an axial molecule and a plurality of cyclic molecules clathrating the axial molecule and (B) a photochromic compound.

IPC 8 full level
C09K 9/02 (2006.01); **B32B 7/12** (2006.01); **B32B 27/00** (2006.01); **B32B 27/18** (2006.01); **C08B 37/16** (2006.01); **C08F 290/10** (2006.01); **C08F 299/00** (2006.01); **C08L 71/02** (2006.01); **G02B 5/23** (2006.01); **G02C 7/10** (2006.01)

CPC (source: EP KR US)
B32B 7/12 (2013.01 - US); **C08B 37/0015** (2013.01 - EP US); **C08F 290/10** (2013.01 - EP KR US); **C08F 299/00** (2013.01 - EP KR US); **C08L 71/02** (2013.01 - EP KR US); **C09K 9/02** (2013.01 - EP KR US); **G02B 5/23** (2013.01 - US); **G02C 7/102** (2013.01 - US); **B32B 2250/02** (2013.01 - US); **B32B 2255/26** (2013.01 - US); **B32B 2305/72** (2013.01 - US); **B32B 2307/40** (2013.01 - US); **B32B 2307/412** (2013.01 - US); **B32B 2551/00** (2013.01 - US); **C08G 83/007** (2013.01 - US); **G02C 2202/16** (2013.01 - US)

Citation (search report)
• [XY] JP H1171368 A 19990316 - IRIE MASAHIRO
• [X] JP 2003245899 A 20030902 - TAMA TLO KK
• [A] EP 1283218 A1 20030212 - CT FOR ADVANCED SCIENCE & TECH [JP]
• [Y] US 2010047200 A1 20100225 - LUUKAS TIMO [FR], et al
• [YA] EP 2377906 A1 20111019 - LINTEC CORP [JP]
• [Y] EP 1433814 A1 20040630 - TOKUYAMA CORP [JP]
• [A] JP 2012189746 A 20121004 - LINTEC CORP
• [XYI] JIAN-KE SUN ET AL: "Reversible luminescence switch in a photochromic metal-organic framework", CHEMICAL COMMUNICATIONS - CHEMCOM., vol. 47, no. 24, 1 January 2011 (2011-01-01), pages 6870 - 6872, XP055341851, ISSN: 1359-7345, DOI: 10.1039/c1cc11550b
• See also references of WO 2015068798A1

Cited by
EP3187540A4; US10113061B2; US10526533B2; EP3269774A4; AU2016228367B2; AU2016228367C1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 10125309 B2 20181113; US 201622285 A1 20160804; AU 2014347606 B2 20180215; BR 112016010412 A2 20200908; BR 112016010412 B1 20211207; CN 105683334 A 20160615; CN 105683334 B 20180410; EP 3070142 A1 20160921; EP 3070142 A4 20170726; EP 3070142 B1 20190522; ES 2732179 T3 20191121; JP 6615613 B2 20191204; JP WO2015068798 A1 20170309; KR 102299804 B1 20210909; KR 20160083849 A 20160712; MX 2016006036 A 20160812; TW 201529825 A 20150801; TW I631210 B 20180801; WO 2015068798 A1 20150514

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US 201415025115 A 20141107; AU 2014347606 A 20141107; BR 112016010412 A 20141107; CN 201480058926 A 20141107; EP 14859834 A 20141107; ES 14859834 T 20141107; JP 2014079560 W 20141107; JP 2015546693 A 20141107; KR 20167008319 A 20141107; MX 2016006036 A 20141107; TW 103139106 A 20141111